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|------------------------------------|----------------------|-------------------|
| | Application Number | 10/630,542 |
| | Filing Date | July 29, 2003 |
| | First Named Inventor | Kenneth Williams |
| | Art Unit | 2191 |
| | Examiner Name | Isaac Tuku Tecklu |
| Number of Pages in This Submission | | 16 |
| Attorney Docket Number | | PA2221US |

| ENCLOSURES (Check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1) Confirmation postcard; 2) Duplicate of IDS; 3) PTO/SB/08 (4 pp. x2); 4) List of Co-Pending Applications; 5) Copies of 21 non-patent references; 6) Check for \$180. |
| Remarks Total page number does not include postcard, check, or non-patent references. | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
|--|---|----------|--------|
| Firm Name | Carr & Ferrell LLP Cust. No. 22830 | | |
| Signature | | | |
| Printed name | Peter L. Holland | | |
| Date | July 10, 2007 | Reg. No. | 57,113 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
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| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: | | | |
| Signature | | | |
| Typed or printed name | Peter L. Holland, Reg. No. 57,113 | Date | July 10, 2007 |

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JUL 12 2007

PTO/SB/17 (01-06)

Approved for use through 07/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Fee is subject to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2006**Complete if Known**

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| Application Number | 10/630,542 |
| Filing Date | July 29, 2003 |
| First Named Inventor | Kenneth Williams |
| Examiner Name | Isaac Tuku Tecklu |
| Art Unit | 2191 |
| Attorney Docket No. | PA2221US |

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 06-0600 Deposit Account Name: Carr & Ferrell LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|--|---------------------|-----------------------|
| Each claim over 20 (including Reissues) | 50 | 25 |
| Each independent claim over 3 (including Reissues) | 200 | 100 |
| Multiple dependent claims | 360 | 180 |
| Total Claims | Extra Claims | Fee (\$) |
| - 20 or HP = _____ x _____ = _____ | | |
| HP = highest number of total claims paid for, if greater than 20. | | |
| Indep. Claims | Extra Claims | Fee (\$) |
| - 3 or HP = _____ x _____ = _____ | | |
| HP = highest number of independent claims paid for, if greater than 3. | | |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| | | | | |
|---------------------|---------------------|---|-----------------|----------------------|
| <u>Total Sheets</u> | <u>Extra Sheets</u> | <u>Number of each additional 50 or fraction thereof</u> | <u>Fee (\$)</u> | <u>Fee Paid (\$)</u> |
| _____ - 100 = _____ | _____ / 50 = _____ | (round up to a whole number) x _____ | = _____ | |

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)Other (e.g., late filing surcharge): Information Disclosure Statement Filing Fee180**SUBMITTED BY**

| | | | |
|-------------------|-------------------------|--|------------------------|
| Signature | <u>Peter L. Holland</u> | Registration No. (Attorney/Agent) 57,113 | Telephone 650.812.3400 |
| Name (Print/Type) | Peter L. Holland | | Date July 10, 2007 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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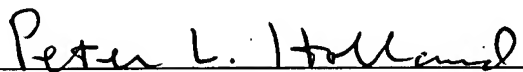


IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Kenneth M. Williams et al.
APPLICATION NO.: 10/630,542
FILED: July 29, 2003
TITLE: Defining Instruction Extensions in a Standard Programming Language
EXAMINER: Isaac Tuku Tecklu
GROUP ART UNIT: 2191
ATTY.DKT.NO.: PA2221US

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 10, 2007.



Peter L. Holland, Reg. No. 57,113

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INFORMATION DISCLOSURE STATEMENT
Under 37 C.F.R. §§ 1.56, and 1.97-1.98

SIR:

Pursuant to the provisions of 37 C.F.R. §§ 1.56 and 1.97-98 of the Rules of Practice in Patent Cases, enclosed herewith is form PTO-SB-08, listing several references, and a List of Co-Pending Applications.

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The Examiner is requested to make these references of official record in the application. The references cited may be material to examination of the application and are submitted in compliance with Applicants' duty of disclosure as defined by 37 C.F.R. § 1.56. No representation is made or intended as to the completeness of this list, nor is the inclusion of any reference on this list an admission that it is prior art or pertinent to this application.

Applicants have enclosed the applicable fee of \$180.00 with this submission, in accordance to C.F.R. § 1.17(p). If more fees are due, however, the Commissioner is hereby authorized to charge any necessary fees to Account Number 06-0600. A copy of this statement is submitted in duplicate for this purpose.

Respectfully submitted,
Kenneth M. Williams et al.

July 10, 2007

By: Peter L. Holland
Peter L. Holland, Reg. No. 57,113
Carr & Ferrell LLP
2200 Geng Road
Palo Alto, CA 94303
TEL: (650) 812-3400
FAX: (650) 812-3444



**IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Kenneth M. Williams

APPLICATION NO.: 10/630,542

FILED: July 29, 2003

TITLE: Defining Instruction Extensions in a Standard Programming Language

EXAMINER: Isaac Teku Tecklu

GROUP ART UNIT: 2191

ATTY.DKT.NO.: PA2221US

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P.O. BOX 1450
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**List of Co-Pending Patents or Patent Applications That May Be Directed
Towards Similar Subject Matter**

| Examiner's Initials | Application Number | Docket Number | First-Named Inventor | Title | Filing Date |
|-----------------------|--------------------|---------------|----------------------|---|-------------|
| | 10/404,706 | PA2561US | Scott D. Johnson | Extension Adapter | 03-31-2003 |
| | 10/686,882 | PA2594US | Kenneth Williams | Instruction Set for Efficient Bit Stream and Byte Stream I/O | 10-15-2003 |
| | 10/750,714 | PA2683US | Ricardo Gonzalez | Systems and Methods for Software Extensible Multi-Processing | 12-31-2003 |
| | 10/815,453 | PA2718US | Ricardo Gonzalez | Configuring a Multi-Processor System | 03-31-2004 |
| | 11/021,247 | PA2838US | Ricardo Gonzalez | Systems and Methods for Selecting Input/Output Configuration in an Integrated Circuit | 12-21-2004 |
| | 11/129,146 | PA3036US | Ricardo Gonzalez | Long Instruction Word Processing with Instruction Extensions | 05-12-2005 |
| | 11/099,280 | PA3049US | Jeffrey M. Arnold | Video Processing System with Reconfigurable Instructions | 04-04-2005 |
| | 11/204,555 | PA3350US | Jeffrey M. Arnold | Programmable Logic Configuration for Instruction Extensions | 08-15-2005 |
| Examiner's Signature: | | | | | Date |



PTO/SB/08A (09-08)

Approved for use through 03/31/2007. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

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| Application Number | 10/630,542 |
| Filing Date | July 29, 2003 |
| First Named Inventor | Kenneth Williams |
| Art Unit | 2192 |
| Examiner Name | Isaac Tuku Tecklu |
| Attorney Docket Number | PA2221US |

Sheet 1 of 4

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | EP 1 443 417 | 08-04-2004 | STMicroelectronics | | |
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| Application Number | 10/630,542 |
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| First Named Inventor | Kenneth Williams |
| Art Unit | 2191 |
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Sheet 2

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Examiner
SignatureDate
Considered

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Sheet 3 of 4

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
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|--------------------|-----------------|
| Examiner Signature | Date Considered |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet

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of

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NON PATENT LITERATURE DOCUMENTS

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|--------------------|-----------------------|---|----------------|
| | | GARLAN, DAVID and MARY SHAW, "An Introduction to Software Architecture," January 1994, CMU-CS-94-166, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA. | |
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